AUTODOC CLUB

How to change spark plugs on **MERCEDES-BENZ V-Class (W638/2)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
MERCEDES-BENZ V-Class (W638/2) V 230 (638.234, 638.294), MERCEDES-BENZ V-Class (W638/2) V 200 (638.214, 638.294)

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: MERCEDES-BENZ A-Class (W168) A 160 (168.033, 168.133)

REPLACEMENT: SPARK PLUGS – MERCEDES-BENZ V-CLASS (W638/2). TOOLS YOU NEED:



- High-temperature anti-seize lubricant
- Drive socket # E11
- Drive socket # 16
- Ratchet wrench
- Torque wrench
- Fender cover

Buy tools

Replacement: spark plugs – MERCEDES-BENZ V-Class (W638/2). AUTODOC experts recommend:

- The replacement procedure is the same for all spark plugs.
- All work should be done with the engine stopped.

REPLACEMENT: SPARK PLUGS – MERCEDES-BENZ V-CLASS (W638/2). RECOMMENDED SEQUENCE OF STEPS:

1 Open the hood.

2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3 Detach the connector from the ignition coil.



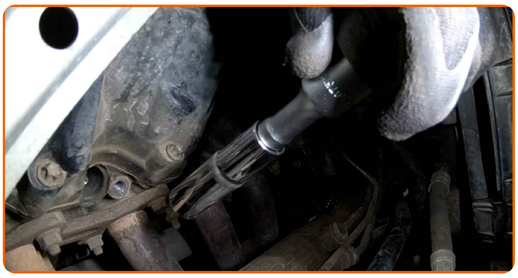
4 Unscrew the ignition coil bracket. Use a drive socket #E11. Use a ratchet wrench.



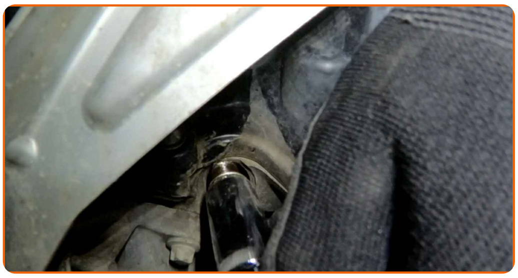
5 Take out the ignition coil from the spark plug well.



6 Unscrew the spark plugs. Use the spark plug socket #16. Use a ratchet wrench.



7 Take out the spark plugs.



8 Apply a thin layer of a special high temperature anti-seize lubricant to the threads of the new spark plugs.



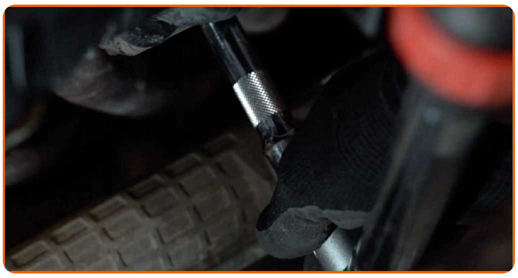
9

Install the new spark plugs into their mounting seats.



10

Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 25 nm torque.



Replacement: spark plugs – MERCEDES-BENZ V-Class (W638/2). Professionals recommend:

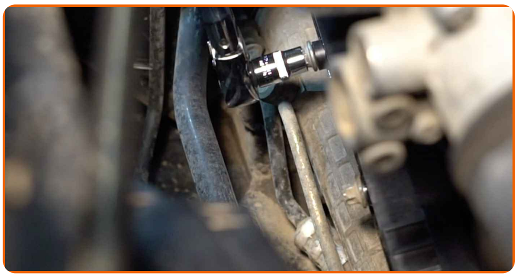
- Don't tighten the plugs with excessive force. Exceeding tightening torque can damage the thread connection.
- Be careful when working with a spark plug wrench. Its skewing can cause damage to the threaded connection.

11

Install the ignition coil to the spark plug well. Make sure you hear a click indicating that it is locked in place.



12 Tighten the ignition coil fastening. Use a drive socket #E11. Use a torque wrench. Tighten it to 12 nm torque.



13 Plug in the ignition coil connector.



14 Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.

15 Shut off the engine.

16 Remove the fender protection cover.

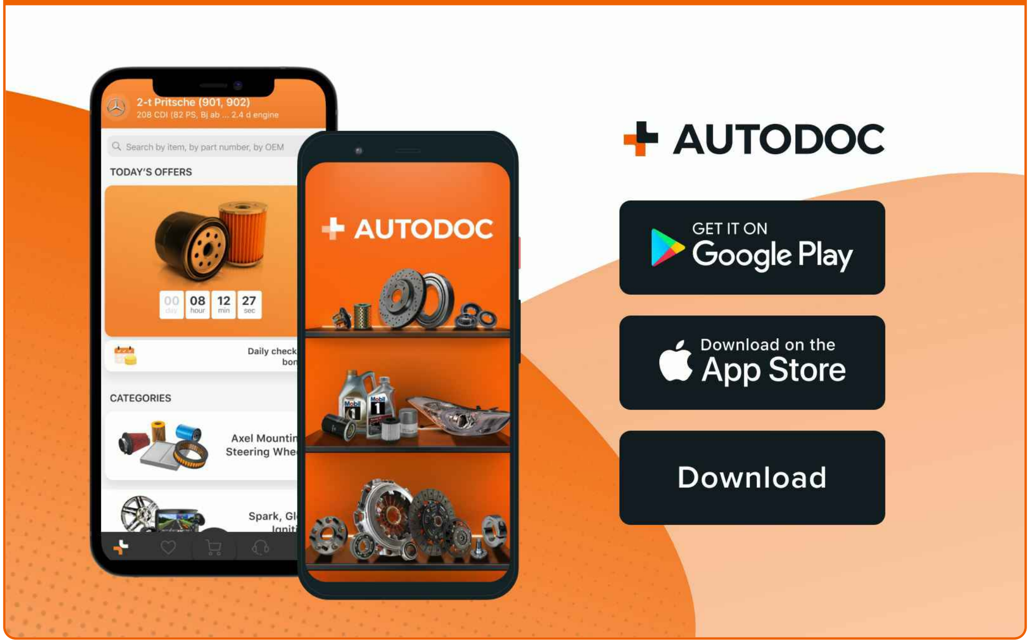
17 Close the hood.

WELL DONE!

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SPARK PLUGS: A WIDE SELECTION

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